

*PalmPilot: The Ultimate Guide*. By David Pogue. O'Reilly, Sebastopol, CA. (1998). 489 pages. \$29.95 (CD ROM included).

Contents:

Preface. I. This is your PalmPilot speaking. 1. The 3 × 5-inch powerhouse. 2. PalmPilot setup and guided tour. 3. Typing without a keyboard. 4. The four primary programs. 5. The other built-in programs. II. PalmPilot meets PC. 6. HotSync, step by step. 7. Installing new PalmPilot programs. 8. Pilot desktop/Palm desktop. III. The undiscovered PalmPilot. 9. PalmPilot: The electronic book. 10. The PalmPilot's secret multimedia world. 11. Writing PalmPilot software. IV. The PalmPilot online. 12. Email anywhere. 13. The Web in your palm. 14. Paging, faxing, printing, and beaming. V. Troubleshooting and upgrading. 15. Troubleshooting. 16. Upgrading your Pilot. VI. Appendixes. A. 150 programs worth knowing about. B. PalmPilot accessories. C. Piloteers in cyberspace. Index.

*Combinatorial Theory* (Second edition). By Marshall Hall, Jr. John Wiley & Sons, New York. (1983). 440 pages. \$59.95.

Contents:

1. Permutations and combinations. 2. Inversion formulae. 3. Generating functions and recursions. 4. Partitions. 5. Distinct representatives. 6. Ramsey's theorem. 7. Some extremal problems. 8. Convex spaces and linear programming. 9. Graphical methods. DeBruijn sequences. 10. Block designs. 11. Difference sets. 12. Finite geometries. 13. Orthogonal Latin squares. 14. Hadamard matrices. 15. General constructions of block designs. 16. Theorems on completion and embedding. 17. Coding theory and block designs. Appendixes. I. Balanced incomplete block designs with from 3 to 20 replications. II. Hadamard matrices of the Williamson type. Bibliography. Index.

*Connectedness and Necessary Conditions for an Extremum*. By Alexander P. Abramov. Kluwer Academic Publishers, Dordrecht. (1996). 199 pages. \$99.00, NLG 175.00, GBP 59.00.

Contents:

Preface. 0. Preliminaries. 1. Alternative conditions for an extremum of the first order. 2. Alternative conditions for an extremum in nonlinear programming. 3. Alternative conditions for an extremum in optimal control problems. 4. Necessary conditions for an extremum in a measure space. Bibliography. List of notation. Index.

*Finite Element Analysis for Composite Structures*. By Lazarus Teneketzis Tenek and John Argyris. Kluwer Academic Publishers, Dordrecht. (1998). 339 pages. \$169.00, NLG 295.00, GBP 99.00 (diskette included).

Contents:

Preface. Acknowledgments. 1. Some results from continuum mechanics. 2. A brief history of FEM. 3. Natural modes for finite elements. 4. Composites. 5. Composite beam element. 6. Composite plate and shell element. 7. Computational statistics. 8. Nonlinear analysis of anisotropic shells. 9. Programming aspects. Appendixes. A. Geometry of the beam element in space. B. Contents of floppy disk. Bibliography. Index.

*Exercises in Basic Ring Theory*. By Grigore Călugăreanu and Peter Hamburg. Kluwer Academic Publishers, Dordrecht. (1998). 198 pages. \$90.00, NLG 160.00, GBP 55.00.

Contents:

Preface. List of symbols. I. Exercises. 1. Fundamentals. 2. Ideals. 3. Zero divisors. 4. Ring homomorphisms. 5. Characteristics. 6. Divisibility in integral domains. 7. Division rings. 8. Automorphisms. 9. The tensor product. 10. Artinian and noetherian rings. 11. Socle and radical. 12. Semisimple rings. 13. Prime ideals, local rings. 14. Polynomial rings. 15. Rings of quotients. 16. Rings of continuous functions. 17. Special problems. II. Solutions. 1. Fundamentals. 2. Ideals. 3. Zero divisors. 4. Ring homomorphisms. 5. Characteristics. 6. Divisibility in integral domains. 7. Division rings. 8. Automorphisms. 9. The tensor product. 10. Artinian and noetherian rings. 11. Socle and radical. 12. Semisimple rings. 13. Prime ideals, local rings. 14. Polynomial rings. 15. Rings of quotients. 16. Rings of continuous functions. 17. Special problems. Bibliography. Index.

*Engineering Intelligent Hybrid Multi-Agent Systems*. By Rajiv Khosla and Tharam Dillon. Kluwer Academic Publishers, Boston, MA. (1997). 410 pages. \$126.00, NLG 275.00, GBP 83.20.

Contents:

Preface. Acknowledgments. 1. Why intelligent hybrid systems. 2. Methodologies. 3. Intelligent fusion and transformation systems. 4. Intelligent combination systems. 5. Knowledge discovery, data mining and hybrid systems. 6. Association systems—Task structure level associative hybrid architecture. 7. Intelligent multi-agent hybrid computational architecture—Part I. 8. Intelligent multi-agent hybrid computational architecture—Part II. 9. Alarm processing—An application of IMAHDA. 10. Agent oriented analysis and design of the RTAPS—Part I. 11. Agent oriented analysis and design of the RTAPS—Part II. 12. RTAPS implementation. 13. From data repositories to knowledge repositories. 14. IMAHDA revisited. Appendixes. A. Input features of the animal domain. B. Classes in the animal domain. C. TTS power network. D. TTS substation power network. E. Real time alarm data. Index.